

HI-ZEX™ 2100J

High Density Polyethylene

Prime Polymer Co., Ltd.

Message:

HI-ZEX™ 2100J is a High Density Polyethylene product. It can be processed by injection molding and is available in Asia Pacific, Europe, or North America. Applications of HI-ZEX™ 2100J include caps/lids/closures and industrial applications. Primary characteristic: high strength.

General Information			
Features	High Strength		
Uses	Caps		
	Industrial Applications		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.953	g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	5.8	g/10 min	ISO 1133
Environmental Stress-Cracking Resistance	8.00	hr	ASTM D1693
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore D, Injection Molded)	63		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (Injection Molded)	900	MPa	ISO 527-2
Tensile Stress (Yield, Injection Molded)	21.0	MPa	ISO 527-2
Tensile Strain (Break, Injection Molded)	370	%	ISO 527-2
Flexural Modulus (Injection Molded)	900	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Unnotched Impact Strength	4.0	kJ/m²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	121	°C	ISO 306
Melting Temperature	131	°C	ISO 11357-3

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